

CLAIMS

What is claimed is:

- 1 1. A method of marking a compact disc comprising the acts of:
2 providing a copy protection scheme;
3 identifying a portion of the compact disc not containing program material;
4 applying copy protection data related to the copy protection scheme to the
5 identified portion of the compact disc, whereby the copy protection
6 data is readable by compliant test equipment.
- 1 2. The method of claim 1, wherein the copy protection data is not
2 readable by compact disc readers.
- 1 3. The method of claim 1, wherein a lead-in area of the compact disc is
2 provided, and the copy protection data is applied in the lead-in area.
- 1 4. The method of claim 1, wherein a Q-channel of the compact disc is
2 provided, and the copy protection data is in the Q-channel.
- 1 5. The method of claim 1, wherein the copy protection data is in 1 to 30
2 sectors of every 100 sectors of the compact disc.
- 1 6. The method of claim 1, wherein the copy protection data is in a 20 to
2 200 bit word.
- 1 7. The method of claim 6, wherein the word comprises in sequence:
2 sync bits;
3 control bits;
4 address bits;
5 identification bits;
6 user bits; and
7 cyclic redundancy code bits.

1 8. The method of claim 1, where the compact disc is one of a CD master,
2 CD stamper, or production CD.

1 9. The method of claim 1, wherein the copy protection data identifies a
2 particular copy protection scheme.

1 10. The method of claim 9, wherein the copy protection data identifies a
2 particular supplier of the copy protection scheme.

1 11. The method of claim 7, wherein the cyclic redundancy code bits are
2 readable only by a compliant reader.

1 12. The method of claim 7, wherein the cyclic redundancy code bits
2 include a first and a second cyclic redundancy code.

1 13. The method of claim 12, wherein the first cyclic redundancy code is
2 identifiable by test equipment, and the second cyclic redundancy code is translated by
3 the test equipment.

1 14. A compact disc comprising of:
2 program material;
3 copy protection data, and
4 data identifying the copy protection data, whereby a compliant test apparatus
5 reads the data identifying the copy protection data.

1 15. The compact disc of claim 14 wherein the copy protection data is in
2 the lead-in area of the compact disc.

1 16. The compact disc of claim 15 wherein the copy protection data is in
2 the Q-Channel portion of the compact disc.

1 17. A compact disc test apparatus comprising:
2 a demodulator that receives signals from a compact disc under test wherein the
3 compact disc contains copy protection data and identification data
4 identify the copy protection, the demodulator outputting an EFM
5 signal;
6 an EFM demodulator coupled to receive the EFM signal and processes the
7 EFM signal into subcode data, the subcode data containing the copy
8 protection data and identification data; and
9 a subcode processor coupled to the EFM demodulator that receives and reads
10 the subcode data.

1 18. The compact disc test apparatus of claim 17 further comprising:
2 a test equipment interface to the subcode processor, whereby the test
3 equipment interface outputs copy protection information to an
4 operator.

1 19. The compact disc test apparatus of claim 17 wherein the subcode data
2 comprises of a first CRC contained in a sector of the compact disc, wherein the first
3 CRC is validated by the test apparatus, wherein a valid first CRC outputs information
4 of the sector of the compact disc containing the CRC.

1 20. The compact disc test apparatus of claim 18 wherein the subcode data
2 comprises of:
3 a first CRC contained in a sector of the compact disc, wherein the first CRC is
4 validated by the test apparatus, wherein a valid first CRC outputs
5 information of the sector of the compact disc containing the CRC.

1 21. The compact disc test apparatus of claim 19 wherein the subcode data
2 further comprises:

3 a second CRC contained in the sector of the compact disc, wherein the test
4 apparatus finding an invalid first CRC, validates the second CRC,
5 wherein a valid second CRC allows the test equipment to decode and
6 output the copy protection data.

1 22. The compact disc test apparatus of claim 20 wherein the subcode data
2 further comprises:

3 a second CRC contained in the sector of the compact disc, wherein the test
4 apparatus finding an invalid first CRC, validates the second CRC,
5 wherein a valid second CRC allows the test equipment to decode and
6 output the copy protection data.